

05/31/01  
jc658 U.S. PTO

06-00-01

PTO/SB/05 (08-00)

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Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.52(b))

Attorney Docket No.	NORTH-439A/A-2234	
First Inventor	Steven Allen Schwartz	
Title	SYSTEM AND METHOD FOR AUTOMATIC RECOGNITION OF FORMATIONS IN MOVING TARGET INDICATION DATA	
Express Mail Label No.	EL 7 9 4 6 1 0 8 3 8 US	

jc903 U.S. PTO  
09/07/0805  
05/31/01

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
<p>1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB17)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>27</u>] (preferred arrangement set forth below)            -Descriptive title of the invention            -Cross Reference to Related Applications            -Statement Regarding Fed sponsored R &amp; D            -Reference to sequence listing, a table, or            a computer program listing appendix            -Background of the Invention            -Brief Summary of the Invention            -Brief Description of the Drawings (if filed)37 CFR 3.73(b)            -Detailed Description            -Claim(s)            -Abstract of the DisclosureCopies of IDS Citations</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>7</u>]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>2</u>]            a. <input checked="" type="checkbox"/> Newly executed (original or copy)            b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))            (for continuation/divisional with Box 17 completed)            i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b>            Signed statement attached deleting inventor(s)            named in the prior application, see 37 CFR            1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or C-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27 (if applicable, all necessary)            a. <input type="checkbox"/> Computer Readable Form (CRF)            b. <input type="checkbox"/> Specification Sequence Listing on:            i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or            ii. <input type="checkbox"/> paper            c. <input type="checkbox"/> Statements verifying identity of above copies a computer program listing appendix</p>
<b>ACCOMPANYING APPLICATION PARTS</b>		
<p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input checked="" type="checkbox"/> Other: <u>Express Mailing Certificate</u></p>		

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation

Divisional

Continuation-in-part of prior application No.: /

Prior application information:

Examiner

Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label	Insert Customer No. or Attach bar code label here or	<input checked="" type="checkbox"/> Customer address below			
Name	Terry J. Anderson, Esq. NORTHROP GRUMMAN CORPORATION				
Address	1840 Century Park East				
City	Los Angeles	State	CA	Zip Code	90067-2199
Country	U.S.A.				

Name (Print/Type)	Bruce B. Brunda	Registration No. (Attorney/Agent)	28,497
Signature	<i>Bruce B. Brunda</i>		Date: 05/31/01

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

786.00

## Complete if Known

Application Number

Filing Date

Herewith

First Named Inventor

Steven Allen Schwartz

Examiner Name

Group Art Unit

Attorney Docket No. NORTH-439A/A-2234

## METHOD OF PAYMENT



The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

14-1325

Deposit Account Name

Northrop Grumman Corporation

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:
 Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility Filing fee	\$710.00
106 320	206 160	Design Filing fee	
107 490	207 245	Plant Filing fee	
108 710	208 355	Reissue Filing fee	
114 150	214 75	Provisional Filing fee	

SUBTOTAL (1) \$ 710.00

## 2. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
Total Claims 22	- 20** = 2 X 18	= \$36.00
Independent Claims 2	- 3 = 0 X 0	=
Multiple Dependent		=

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
103 18	203 9	Claims in excess of 20	
102 80	202 40	Independent claims in excess of 3	
104 270	204 135		
109 80	209 40		
110 18	210 9		

SUBTOTAL (2) \$ 36.00

\*\*or number previously paid, if greater; For Reissues, see above

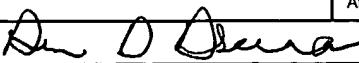
## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifty month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive-unavoideable	
141 1,240	241 620	Petition to revive-unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Statement	
581 40	5 81 40	Recording each patent assignment per property (times number of properties)	\$ 40.00
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

\* Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$ 40.00

## SUBMITTED BY:

Complete (if applicable)

Name (Print/Type)	Bruce B. Brunda	Registration No.	28,497	Telephone	(949) 855-1246
Signature				Date	05/31/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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ATTORNEY DOCKET:  
NORTH-439A/A-2334

Certificate of Mailing under 37 CFR 1.8 or 37 CFR 1.10

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Washington, D.C. 20231

on May 31, 2001.  
(Date)

Dawn L. Mangino  
Signature

Dawn L. Mangino

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

1. Utility Patent Application Transmittal (1 pg);
2. Fee Transmittal for FY 2001 (1 pg) (in duplicate);
3. Patent Application of (27 pgs);
4. Drawings (7 pgs);
5. Declaration for utility or Design Patent Application (2pgs);
6. PATENTS ONLY Recordation Form Cover Sheet (1 pgs);
7. Assignment of Application (2 pgs);
8. Associate Power of Attorney (1 pg);
9. Return Postcard to acknowledge receipt.

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09/18/01  
05/31/01